

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-8161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-8178 Fax:(505) 334-8170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3482

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

Form C-101  
August 1, 2011  
Permit 197849

**APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE**

1. Operator Name and Address COG OPERATING LLC One Concho Center Midland, TX 79701		2. OGRID Number 229137
4. Property Code 302497		3. API Number 30-015-42939
5. Property Name G J WEST COOP UNIT		6. Well No. 302

**7. Surface Location**

UL - Lot	D	Section	21	Township	17S	Range	29E	Lot Idn	d	Feet From	330	N/S Line	N	Feet From	330	E/W Line	W	County	Eddy
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**8. Proposed Bottom Hole Location**

UL - Lot	D	Section	21	Township	17S	Range	29E	Lot Idn	D	Feet From	330	N/S Line	N	Feet From	330	E/W Line	W	County	Eddy
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**9. Pool Information**

GJ:7RVS-QN-GB-GLORIETA-YESO	97558
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**Additional Well Information**

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3602
16. Multiple N	17. Proposed Depth 5550	18. Formation Yeso Formation	19. Contractor	20. Spud Date 8/30/2015
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

**21. Proposed Casing and Cement Program**

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	48	350	400	0
Int1	11	8.625	24	850	400	0
Prod	7.875	5.5	17	5550	900	0

**Casing/Cement Program: Additional Comments**

COG proposes to drill an 17 1/2" hole to 350' w/fresh water mud system, wt 8.5, vis 28, set 13 3/8" casing and cement to surface. Drill an 11" hole to 850' w/br mud system, wt 10, vis 30. Set 8-5/8" casing and cement to surface. Drill 7 7/8" hole to 5550' w/cut brine mud system, wt 9.1, vis 29-32. Test Yeso formation. Run 5 1/2" casing and cement to surface. Note: On production string, a caliper will be run, COG will attempt to circulate cement.

**22. Proposed Blowout Prevention Program**

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	2000	2000	

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC <input checked="" type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input checked="" type="checkbox"/> , if applicable.  Signature:	<b>OIL CONSERVATION DIVISION</b>
Printed Name: Electronically filed by Diane Kuykendall Title: Production Reporting Mgr Email Address: production@concho.com Date: 2/4/2015	Approved By: Karen Sharp Title: OCD Reviewer Approved Date: 2/5/2015 Conditions of Approval Attached
Phone: 432-683-7443	Expiration Date: 2/5/2017

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Form C-102  
August 1, 2011  
Permit 197849

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-015-42939	2. Pool Code 97558	3. Pool Name GJ,7RVS-QN-GB-GLORIETA-YESO
4. Property Code 302497	5. Property Name G J WEST COOP UNIT	6. Well No. 302
7. OGRID No. 229137	8. Operator Name COG OPERATING LLC	9. Elevation 3602

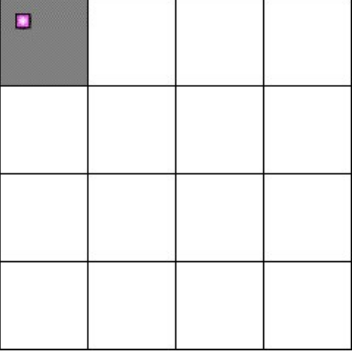
**10. Surface Location**

UL - Lot D	Section 21	Township 17S	Range 29E	Lot Idn d	Feet From 330	N/S Line N	Feet From 330	E/W Line W	County Eddy
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**11. Bottom Hole Location If Different From Surface**

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 40.00				13. Joint or Infill	14. Consolidation Code			15. Order No.	

**NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION**

	<b>OPERATOR CERTIFICATION</b>	
	<i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i>	
	E-Signed By: Diane Kuykendall Title: Production Reporting Mgr Date: 2/4/2015	
	<b>SURVEYOR CERTIFICATION</b>	
<i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i>		
Surveyed By: Ronald Eidson Date of Survey: 1/18/2010 Certificate Number: 3239		

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Form APD Comments  
 Permit 197849

**PERMIT COMMENTS**

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-015-42939
		Well: G J WEST COOP UNIT #302
Created By	Comment	Comment Date
kholly1	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	1/8/2015

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Form APD Conditions

Permit 197849

**PERMIT CONDITIONS OF APPROVAL**

Operator Name and Address: COG OPERATING LLC [229137] One Concho Center Midland, TX 79701		API Number: 30-015-42939
		Well: G J WEST COOP UNIT #302
OCD Reviewer	Condition	
KSHARP	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string	